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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/895,525	06/28/2001	Manoel Tenorio	020431.0843	8191
53184 7590 11/26/2007 i2 TECHNOLOGIES US, INC. ONE i2 PLACE, 11701 LUNA ROAD DALLAS, TX 75234			EXAMINER CHEN, TE Y	
			ART UNIT 2161	PAPER NUMBER
			MAIL DATE 11/26/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 09/895,525	Applicant(s) TENORIO, MANOEL	
	Examiner Susan Y. Chen	Art Unit 2161	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 12 September 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-37 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-37 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

Response to Amendment

This office action is in response to the amendment filed on September 12, 2007.

Claims 1-37 are pending for examination, claims 1, 12, 23 and 34-37 have been amended.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-7, 9-18, 20-29 and 31-37, are rejected under 35 U.S.C. 102(b) as being anticipated by Call (U.S. Patent No. 6,154,738).

As to claims 1, 12, 23, and 34-37, Call discloses a computer-implemented system with method and executable program products for categorizing product data in an electronic commerce transaction [e.g., Abstract, Fig(s). 1-5 and associated texts] as claimed by applicant, comprising the following functions:

a) access a first product classification schema, the first schema comprising a taxonomy that comprising a hierarchy of classes for categorizing one or more products [e.g., col. 11, lines 61- col. 12, lines 46], the first schema further comprising ontology

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associated with one or more of the classes, each ontology comprising one or more product attributes, wherein each of the one or more products is associated with a global unique identifier [e.g., the use of universal product code cross-referencing schema with domain name services over an Internet at col. 21, lines 6 – col. 22, lines 53];

b) access target data to be associated with the first schema, the target data organized according the a second product classification schema [e.g., Fig. 6 and associated texts, col. 25, lines 14-52];

c) determine one or more classes of the first schema with which at least a portion of the target data is associated based on a comparison between the target data and the product attributes of the ontologies of the first schema or between the target data and values for one or more of the product attributes of the ontologies of the first schema [e.g., the use of WWW consortium search engines at col. 25, lines 35 - 53];

d) associate the at least a portion of the target data with one or more classes of the first schema in response to determine, based on the automatic comparison, the one or more classes of the first schema with which the at least a portion of the target data should be associated. [e. g., the use of XML meta data and WWW RDF framework at col. 25, lines 26-52]; and

e) store the values for the one or more of the product attributes of the ontologies of the first schema with which the target data is compared in one or more seller databases [e.g., Fig. 7 and associated texts].

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As to claims 2-6, 13-17 and 24-28, except the limitations recited in claims 1, 12, and 23, Call further discloses that the determining one or more classes of the first schema with which the at least a portion of the target data is associated comprises identifying a portion of the target data via matching the name, the value, a range of value, the symbol and formatting of a product attribute in the ontology of these one or more classes of the first schema [e.g., Call: Fig. 2 and associated texts, col. 11, lines 65 – col. 12, lines 57].

As to claims 7, 18 and 29, Call further discloses that determining one or more classes of the first schema with which the at least a portion of the target data is associated comprises using vector space analysis to identify multiple portions of the target data including values that correspond to values for multiple product attributes included in the ontologies of these one or more classes of the first schema [e.g., the use of LDAP in the product code cross-referencing schema in a vector domain name space col. 20, lines 30 - col. 21, lines 4].

As to claims 9-11, 20-22 and 31-33, Call further discloses using indicators to determine the association between the system classes and it's attributes and the indicators are pointers [e.g., the use of Xlinks, Xpointers of XML document at col. 24, lines 45-col. 25, line 13].

Claim Rejections - 35 USC § 103 (Continue)

Claims 8, 19 and 30, are rejected under 35 U.S.C. 103(a) as being unpatentable over Call et al. (U.S. Patent No. 6,154,738) in view of Sahai et al. (U.S. Patent No. 7,272,626).

As to claims 8, 19 and 30, Call did not specifically disclose determining one or more classes of the first schema with which the at least a portion of the target data is associated comprising using statistical correlation techniques to identify portions of the target data including values that correspond to values for a product attribute included in the ontologies of these one or more classes of the first schema.

However, Sahai et al. (hereinafter referred as Sahai) discloses using statistical correlation techniques to identify portions of the target data including values as claimed [e.g., Title, Abstract, col. 3, lines 21- col. 4, lines 34, Fig(s) 4-9 and associated texts].

Call and Sahai are of the same field of endeavor to dynamically identify target data with a product classification schema via the use of a global unique identifier in the XML document, hence, it would have been obvious for an ordinary skilled person in the art at the time the invention was made to apply the statistical technique disclosed by Sahai into the system of Call, because by doing so, the combined system will be upgraded to use the well-known statistical correlation techniques to identify portions of the target data including values that correspond to values for a product attribute included in the ontologies of these one or more classes of the first schema, such that

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the combined system will provide a more precise response to the user in a decentralized manner.

Response to Arguments

Applicant's arguments with respect to claims 1-37 have been considered, the examiner first thanks the applicant to identify a typing error in the prior art for U.S. Patent No. 6,076,091 which is indeed issued to Fohn et al. instead of John et al., thus, anywhere in the office action mailed on June 12, 2007 referred to the phrase "John" should be changed to "Fohn".

As to the rest of arguments that includes more details than claims which are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Susan Y. Chen whose telephone number is 571-272-4016. The examiner can normally be reached on Monday - Friday from 7:00-4:30.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mofiz Apu can be reached on 571-272-4080. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Susan Y Chen
Examiner
Art Unit 2161

November 20, 2007


APU MOFIZ
SUPERVISORY PATENT EXAMINER